HUGE BASINS OF CONCRETE.

Into These the Vessels Are Floated and Shored Up as the Gates Are Closed and the Water Pumped Out-Fleating Docks and How They Are Used.

There is no such thing as a perfect anti-fouling composition, and probably

there never will be. By "anti-fouling" we mean a solution which, applied to the bottom of a ship, will keep her clean for an indefinite period.

True, vessels can now keep the sea for months on end without getting foul enough to seriously diminish their speed, but in the long run their bottoms become weed grown, and they are obliged to go into drydock and be scraped and cleaned and repainted.

In old days, when warships were no larger than the steam launches which now hang on a Dreadnought's davits, the seamen did this work themselves. They ran the galley on to some convenient beach, hauled her out, tipped her on one side on the sand, acraped her and caulked her seams.

Even in the eighteenth century Captain Cook "careened" his vessel in a tidal creek on the Australian coast and did necessary repairs. The enormous warships of today require very different handling, and it is for their use that dockyards are fitted with "dry" or "graving" docks of vast dimen-

A drydock is a huge basin excavated in the ground. It is lined first with masonry of immense thickness, and this in turn is coated with thousands

The first great requisite of a drydock is to be dry, and as it is always cut in low, swampy ground, with the bottom far below low tide mark, this is the great difficulty before its build-

The bottom is quite flat. The sides run up in steps-enormous steps, each about a yard high, not the sort of staircase to run down in a hurry.

These steps are known as "altars," and they have two separate purposesfirst for supporting the workmen's scaffolds, the second and more important for the fixing of the "shores." Shores are the great balks of timber which hold a vessel upright in drydock.

A drydock does not usually open straight out of the sen or harbor. More often there is a wet dock between The reasons are that a vessel can then be docked at any state of the tide and also that there is less pressure on the great watertight gates of the drydock. The actual process of docking in dry

dock is simple enough. The drydock is filled with water, the ship is floated in, the gates close behind her; then the water is pumped out by means of pow-

Along the bottom of the dock runs to a straight line a row of keel blocks on which the keel of the vessel rests. As the water is pumped away an army of workmen fix the shores in position.

This is a task which requires greacare. Not so very long ago an 8,000 tor cruiser which was being drydocked at one of the southern dockyards in England was so carelessly shored up that she slipped and toppled over.

The damage was appalling. The hull of the ship was badly injured. It cost many thousands of pounds to repair

There are also floating graving docks There is one at Portsmouth with an area of two and one-quarter acres and cost was £264,000.

The beauty of a floating dock is that if a vessel is badly damaged the dock can go to the ship instead of the ship to the dock. Also even if the ship is heeling over, so that she could not be passed through the gates of a stone dock, the floating dock can take her.

The floating dock is simply a large cradle built in a series of watersight compartments which can be filled or emptied at will. It was invented by George Rennie in 1803. By means of a floating dock a large warship can be raised high and dry within three hours Aboard, life goes on as usual, while

the sailors' floating home stands shored up in dry dock. Her decks are just about level with the top of the sides but between them and firm ground yawns a chasm at least forty feet deep During wartime the work of clean ing and repainting the under part of the hull goes on night and day, and a job that usually takes a fortnight may be completed within four or even three days .- Pearson's Weekly

Saving Grace. "Pa, what is meant by the saving

grace of humor?" "It means quite often, my sow, that when a rascal gets caught in some sort of devilment he can escape punish ment by making a joke out of it."-Birmingham Age-Hernid.

A good deed is never lost. He who sows courtesy reaps friendship, and he who plants kindness gathers love.-St.

Blamed the Planets. In the middle of the fourteenth century in Paris a new ordinance enjoining the cleansing of the streets and the sbutting up of swine was carefully uity of medicine, called upon for a remedy by the king, sent to inform him after long discussion that the plague was the result of a hostile conjunction of the planets Mars and Jupi-

Carrier Pigeons.

Pigeons were employed in early Egyptian days, navigators taking them on their galleys and liberating them when they arrived at their destination in order to announce their safe arrival to their friends. The Romans utilized them in communicating with each other in wartime.

Revenge.

"Will you marry me, Miss Guarle?" "No, Mr. Jinks." "Oh, thank you! I was so afraid you'd say yes, for, you see, the fellows were betting no fellow had the nerve to ask you, and I took it up in spite of the risk."-Baltimore American.

Domestic Discord. "My busband used to call me his "And now?"

"Now he picks on me."-Louisville

HOW SHOT ARE MADE.

and Why the Pure Load Has to Be The manufacture of shot, described by O. C. Horn in Forest and Stream,

requires a high tower, a perforated pana tank of water and "tempered" lead. Shot are made by dropping molte end from a high point to the earth The lead forms into globules just as the raindrops do when they fall from the clouds. Ordinarily we do not realso that raindrops are little spheres. but under the proper conditions they freeze, and we have hallstones, which

may be called shot made of ice. In the making of shot pure lead by melted and mixed with a "temper that consists mainly of tin, and the oured into a perforated pan or sieve. The perforations vary according to the size of the shot to be made.

A temper is mixed with the lead it rder to make the globules form when the lead falls. If pure lead were used it would fall in the form of little bars instead of round shot.

In order that the globules may have plenty of time to form the lead must fall a long distance, and so towers are wilt. The towers used to be made as high as 200 feet and even more, but modern towers are rarely over 150 feet

The perforated pan into which the olten lead is poured is at the top of the tower, and the globules of lead fall through the perforations into tanks of water at the bottom of the tower. The water cools them and also prevents them from flattening out, as they would if they fell on a solid floor.

From the water the shot go to steam driers. After drying the perfect shot are separated from the imperfect by means of glass tables inclined enough so that the shot when poured on at one end of the table, will roll to the other end. At the farther end of the table are two gutters side by side. The tm perfect shot roll slowly and with diffi culty, so that they have not enough mementum to carry them beyond the arst gutter. The perfectly round shot roll easily and swiftly, and when they reach the foot of the table they jump nimbly across the first gutter and land in the second,

After separation the perfect shot are polished by rolling in plumbago, and corkmen then put them in bags for thinment or send them direct to the cartridge filling department to be load-

HATS MADE AT NIGHT.

Sunshine Makes the Straw For Pana

mas Too Brittle to Work. Genuine Panama bats are made to cuador to a larger extent than in any ther country, and the process of manfacture is still not generally known The chief centers of the hat industry the order of their importance are Montleristi and Jipijapa, in the province of Manavi; Santa Ross and to s limited extent in Guayaquil and Cuenca. Thousands of natives of both sexes are employed at weaving these The work is carried on from a little after midnight to 7 o'clock in the morning, while the atmosphere is humid, for the straw becomes brittle dur ing the day and cannot then be han

After much preliminary preparation the straw is very fluely divided into the required widths by the nail of the little finger or thumb. A bunch of straw is bound in the middle and plac ed on the center of a wooden mold. the straws arranged radially and equal distant from each other in pairs. The plaiting begins at the spex of the grown and continues round and round until the but is finished, care being taken that no straws are added while the crown is being made. Other straws, however, are added while the brim and border are being formed. On a lifting capacity of 32,000 tons. It is the degree of nicety with which the 700 feet long and 141 feet wide its straws are lengthened depends the sid not five to see Napoleon's complete cost was £204,000. Should a strand be broken it can be replaced and so plaited as not to be no-

> The finishing touches are put on by trimming the brim, edging the border and neatly fastening all projecting ends of the straws so as to be invisible. The hat is washed in clean, cold water, coated with a thin solution of gum and polished with dry sulphur .-

> > ELECTION DATE PUZZLE.

Why the "First Tuesday After the First Monday" In November?

Nearty all the American world knows that the national election and nearly all of the state elections occur on the first Tuesday after the first Monday in November, but probably not one in all the millions of voters and nonvoters can tell "why" that date was selected opposited bulk these formidable weap for the choice of electors. 'The "when" is easy of discovery, but that is another story. It is always the first Tues drop of a golllotine. Such a thick day after the first Monday, but anybody who looks at the calendars of that he is practically clad in an armo that the date varies almost every year. Years ago the writer inquired of many of the most learned congressmen in Washington as to the "why" of the mystery. Not one could answer except to say, "Bless me, I don't know." Harry Smith, who for long years was journal clerk of the house of representatives, was almost a magician in dragging to light those little mysteries associated with the history of the coun try. He sought bigh and low as to the "why" actually for months and then

gave it up It is really one of the curiosities of neglected, as usual, and a terrible our national legislation. H. H. B. plague was the consequence. The fac-

gressional library, says: "As to why the first Tuesday after the first Monday in November Instead of the first Tuesday in November was fixed for the date of presidential elections, we have to report that no satis factory answer can be given."-E. W. Lightner in Pittsburgh Disputch.

Extremes.

The man making money in a small town up the state met a friend not making money in New York-there are a few here in that class—and they were talking of their respective places of

"I tell you what it is," said the rural visitor in a woeful tone, "it's terrible to have a lot of money and live where you can't spend it." "Ob, I don't know," responded the impecunious city man, "I guess it isn't any more terrible than not to have a

lot of money and live where you can

spend it."-New York Bug.

Obliging.
Visitor (at seance)—I want to talk with Mr. Browg. Attendant—What Mr. Brown? Visitor-I cannot remember his first name, but he is only lately deceased. Attendant (formerly a department store worker)-Please show Where Truth deigns to come her sis- the gentleman some of the latest shades ter, Liberty, will not be far,-Akenside. of Browns.-Harper's Weekly.

A DUKE'S REVENGE

Gave to Germany Her Most Distinguished Regiment.

THE DEATH'S HEAD HUSSARS.

Organized Originally by Frederick William of Brunswick, Napoleon's Duadly Foo, the Famous Body of Cavalry Fought Its Way to Renown.

The curt refusat of Napoleon I. to illow Frederick William, duke Remowick to here the pody of his exiled father in his native land inspired the organization of the leath's Head bussars, the most famous regi ment in the present German army.

Deeply moved by the ungracious act the despotic Napoleon, Frederick William, after his first paroxysus of indignation and rage had subsides rowed eternal vengeance against the French conqueror, and until the day of his death, which was June 16, 1815, on the field of Quatre Bras, he was Napoleon's most implacable foe in all the German states.

Brunswick being burred to him by invader. Doke Frederick William re paired to Bobenia after his father's through the efforts of his sister, then princess of Wates. English funds found their way to him, and he was enabled to set on foot the plans he had formed to revenge himself upon his enemy

All Germany was then under Napo teon's foot. His armies had swept away all opposition Prussia, Brunswick Bavaria, Saxony, all the states were mere vassuis of France. But though compaered or subjugated their batree of the oppressor was intense, and un derneath the surface a fire of batred moldered, which the duke helped to fan into the blaze that eventually sept Bonaparte to St. Helena.

The duke announced himself as Na poleon's foe. Men flocked to his stand ard. He organized and equipped 2,000 cavalrymen and, in memory of his father, clothed them in black. A sliver skull and crossbones adorned their hussar benddress, and the sliver lace slashings of the jackets were placed to resemble the ribs of a skeleton

"The Black Brunswickers" they were called. With the gallant duke at their bend they began a guerrilla warfare that was a continual worry to the French armies Von Stein, Scharp borst and others gave them secret en couragement

Through Saxony, Hesse and Hapover the troopers gobbled up and put to the sword French detachments. Recruits flocked to them At Herneck the duke gave battle to the French General Junot and whipped him. All Germany firthed at the comunitie accounts o the daring of the terrible "Black Hus

Bu and emother force at Hallerstadt. A regiment had grown into an army the only one Asponeon's troops could not corner and whip. The ducky of Brunswick was invaded and the French garrison nurmed Leipzie was becurious ban besirques

Until the battle of Wagram the duke and his hussars rude acer Germany at will. That victory gave Napoleon more time to devote to them, and the duke was forced to flee to England But the "Black Hussars." with the death's bead on their caps, continued the war fare in scattered bands. They were welded into a brigade in 1814 and, as a part of a division in the allied army commanded by the Duke of Brunswick.

They fought again during the bun dred days. The Duke of Brunswick nattle while trying to rally some reruits who started a samppede at the tret French fire.

The fame of the bussars bad reached uch a point that the organization was outinged in the Prussian army, Totay its colonel is the crown prince of ermany, and among its officers are princes of a dozen reigning German

families The regiment presents a splendid appearance on parade, its picturesque andform, of which the skull and cross nos on the headdress are the most striking attractions, imparting to the dashing cavairymen a sinister and startling effect.-Kansas City Times.

A full grown wairus will weigh as much as 2,000 pounds, a mountainous mass of muscle and blubber. He is irmed with tusks of lvory sometime two feet in length, and when from his one are plunged downward upon an enemy they are as resistions as sayer of blubber lies under the skin several years in November will see impervious to teeth and claws alike. -St. Nicholas.

flight of a Bullet.

The same projectile propelled by the same power will travel farther if pro jected vertically than if projected on horizontal line four feet from the ground Thus a bullet fired vertically with a velocity of, say, 100 feet per second. will ascend to a height of 155.8 feet, while if fired with same speed horizontally four feet from the ground will strike the earth at a distance of Afty feet. New York American

Knowest thou the meaning of this day's What then caust do today wise ly attemns to do Cartyle.

Mary W. Chamberlain **GRADUATE NURSE** General obstetrical and surgical nursing

Write or phone Lawen, Oregon



In addition to the above, the undersigned offers the same condition \$500.00 for all horse branded horse shed bar on both or sither jaw Brand recorded in eight counties.

Harney, Lake and Crook countles. Horse vented when gold. rge bunches.

AN ARCTIC SOLOMON.

147 Didn't Take Him Long to Reself

The "floating court" is an institu tion founded by the United States gov ernment for administering judgment in the far north. An interesting example of the unusual problems that confronted Captain A. J. Henderson, one of the first judges of the court, is told by Mr. Walter Noble Burns in the Wide World

One day, at Point Hope, there apbefore the court held on the Photia, Captain Henderson's ship, an old Eskimo and his wife. They were nied by their pretty daughter and two stalwart young men, who were sultors for her hand. In choicest Eskimo that sounded like a series of explosions of vocal dynamite, the ven erable father poured a voluble tale into he ears of the interpreter.

"This man, he say," began the interpreter, "these two feller want this gal or wife. One feller he offer a rifle, ten pound whalebone, six walrus tusk, a dog team and sled. The other feller, se give kayak, two reindeer, a bearskin and six fox skin. This gal the old man's only daughter. He old, and ne want good trade. But he not know which he best take. He say maybe you telf him."

Captain Henderson is no Cupid-be stands six feet two and weighs 250 pounds but he determined to essay the tole of Cupid's first assistant.

"And do you love her?" the captain

"You love this girl?" he asked one "Yes," replied the interpreter, "be

asked the other.

"Yee, he love her too." The captain looked at the girl, who was a pretty little thing, something over four feet high, with coal black plastered down over her temples. sloe black roguish eyes, ope doubt the vital beauty of Eskimo naids in the flush of youth and health "Here," said the captain to the girl,

which one of these men do you The interpreter put the question The maiden's eyes grew brighter, her sheeks a deeper crimson and a cov mile wreathed her lips. She stepped

over to one of the young men unless tatingly and touched him on the arm. "This one," she said, and there was no need for the interpreter to translate. "All right," said the captain, with a roar of laughter, "take him."

And he married them on the spot Straight from the ship back to the village the newly wedded couple paddled. to set up housekeeping and to live happily, no doubt, ever afterward. The bride's father touched off a few more explosions of vocal dynamite into the interpreter's ear.
"He say," declared the interpreter

to Captain Henderson, "he satisfied

Where Mostem Pilgrims Land. Jeddah is a most Important town for the entire human race, apart from being the principal lauding piace for pil-grims to Mecca. Just outside the city is buried Eve. The reputed mother of mankind, like a good Moslamah, lies with her feet toward Messa. Her grave has gradually grown in size and is now of tuge dimensions. Burton calculated that our first parent "measured 120 paces from head to waist and 80 from waint to beel and must have presented the appearance of a duck." robably the reason why the modern lover still uses that word as a term of endoarment.—London Chronicle.

"Hore's a Swiss named Eng who lives in New York petitioning to have ds name changed." "Sort of an egg shake, ph! What's

the trouble? "He and his family have four children, and his family is constantly re | free from roofing troubles- a roof ferred to as 'the half dozen Eggs.' He that lasts for years no roofing

claims his yolk is too heavy to be "Why doesn't he lay for his tormen "It appears that be did once and got

beaten, whipped to a froth Poor Egg could barely acramble home."- Baston Transcript.

LIVE LIFE PRESERVERS.

Canaries In Coal Mines and White

Mice In Submarines. In coal mining the great danger escue parties, after a disaster from firedamp within the mine, has been that there has been no known way of detecting when the rescuers are within the danger zone of the deadly gases until it was too late-until the rescuers suddenly tumised over, unconscious and dying from the deadly fumes. For the gas is odorless and tasteless, and detection But some one discovered that the

auary-the ordinary little yellow singng bird-was peculiarly susceptible to the effects of this gas. For four or five minutes before the gas reached a strength sufficient to overcome human beings the little canary birds toppled off their perches, insensible. Accord ingly, all rescue parties that now enter the coal mines carry with them several of these little life preservers to These they closely watch as they make their way into the dangerous sections of the mine, and as soon as one of the little feathered singers becomes insensible they seek safety at once. Not, however, before they have transferred the little fellow into a cage charged with life giving oxygen, which immediately restores him to his former well being, for they are gratefully mindful of their debt to him. In the submarines of our navy

dendly gas is formed that affects the occupants much as the gas in coal mines affects the miners and rescuers and is equally difficult of detection in this case some one discovered that the white mice, especially the breed called "dancing mice" that may be seen in any animal dealer's shop, were as susceptible to this deadly gas as the little canaries were to the coal mine gas. Accordingly, every submarin now carries as an essential part of its equipment a cage of these little dan ers. When the boat is running be neath the surface-which is the time and condition when the deadly gas formed, due to the action of the chemicals used in operating the bout-these little mice are carefully watched. When me of them is overcome the boat elther rises to the surface and numbs to a supply of fresh air or, if that is im-

THE SAYER STUDIO

Kodak Film Developed and all photography work done in first class shape. Prompt attention BURNS - - OREGON



Focus on

Get this picture. A fine job of roofing a roof that can't leakeatisfied occupant of your building expense, no bother-just a good, substantial roof that lasts and lasts. We know-we have sold it for years.

Harney Valley Lumber Co. Burns, Oregon

possible, oxygen is illierated from the liberal supply of tanks carried on board until the mouse revives. The oxygen is then cut off, for an oversupply of it is likely to work harm among the human beings compelled to breathe it too freely.- New York Post.

"And have you tried the plan of greeting your husband with kind words when he comes home late, as I suggested?" asked the elderly friend. "I have," said the youngish woman "and it works like a charm. He stays home all the time now trying to figure out what is the matter."

It is not known how the bee, which works three months in the year and loafs nine, got the reputation of being busy."-Topeka Capital. Caviar. Caviar is the roe of the sturgeon pre-

A False Reputation

pared as a table delicacy. As a dish too rare to be known by the generality of people and the flavor of which would not be relished by an uncolucated painte, Shakespeare mukes Hamlet spenk of tt. Gallant.

Beautiful Widow-Do you know, I'm

forty years old today. Gallant Bache-

tor-Madam, you are twenty. I never believe more than half of what , hear



Optician Engraver.

Fine Watch Repairing A Spe cialty.

STAR RESTAURANT - GEORGE FOON Prop.

-: · LONE •: -

Meals At All Hours. Shorte Orders and Prompt Service With Reasonable Rates Give Me A Call

Opposite Times-Herald Building ********************

Combination sick, Injury, accident and death benefit protection at minimum cost. \$2,0.0.00 death benefit; \$1,000.00 for loss of limb or eyesight; faom \$5.00 to \$15.00 weekly sick or accident benefit; \$1,000.00 Emergency relief benefit, Cost is \$6.00 per year; no other dues or assessments. In this insurance all men and women are placed on an equal basis, regardles of occupation. Every person makes the same form of application, pays the same amount of premium and receives the same amount of benefit. Men and Women between the ages of 16 and 65 are accepted. No restrictions as to occupation, only Railroad men employed employed on track, train or round house, can not be accepted. Claims are paid within sixty days anywhere in the U.S. Canada or Europe. Old reliable State deposit as a protection for Policy holders and to guarantee the payment of claims. For further free information address Gustave E. Werner, Secretary and General Manager, Box 813, Buffalo, N. Y. state age, sex, occupation and mention Dept. B. 172.

Housestern mantheman RODNEY DAVIS House Painting Paper Hanging and Decorating

Calcimining Hardwood Finishing Fresco Painting

Estimates furnished on application. Samples shown. GIVE HIM A CHANCE

THE HOST **CALIBER Repeating** Rifle in the WORLD. Made in two models; one for .22 Short R. F. car-tridges - the other for .22 Long Rifle R. F. STEVENS "VISIBLE LOADING" RIFLE NO. 70. Short and 19- .99

long rifle cartridges. Send for handsomely illustrated Rifle Cata-PRICE SB.OO og and "How to Shoot Well".

Order Stevens Riflez—
Pis tols and Shotguns J. STEVENS ARMS & TOOL COMPANY, P. O. Box 8004, CHICOPEE PALLS, MASS.

OFFICIAL DIRECTORY

Geo. E. Chamberlai W C Hawley A. M. Crawford Oswald West Ben W. Olsott T. B. Kay J. A. Churchill W. S. Duniway *********************** occutary of State Treasurer Supt. Public Instruction. State Frinter Robt Eakin T. A. McBrid Geo n Burnet E. B. Bean F. A. Moore NINTH JUDICIAL DISTRICT. District Judge County Attorney

Geo. S Sixemore Circuit Court meets the first Monday Joint Senator Joint Representative COUNTY-HARNEY:

Grant Thompson
R. T. Hughet
R. A. Miller
C. E. Beery
A. K. Eichardson
j. J. Benegan
L. M Hamilton
G. W. Clevenger
John Robinson
R. P. Sylventer
JThos. Bain

January, March, May, July, September and

Roy Van Winkle Henry Daltor , R. L. Haine

H. J. Hansen A. C. Welcome James Lampahle R. J. McKinnon Fourth Wednesd



We do job printing.

ORANGE, MASS.

BURNS, OREGON J. W. GEARY

GRIFFITH & SAURMAN

Physicians and Surgeons

Physician and Surgeon Office on second floor Tonawams Bldg.

Phone Main 85, GEO. G. CARL, M. D.

Physician and Surgeon Office in Tonawama Building

pecial attention given diseases of the eye, ear nece and throat. DR. R. D. KETCHUM

Drugless Physician are Methods and Dietary Advice Chronic Diseases a specialty

DENMAN & DENMAN. Physicians and Surgeons Calls answered promptly night or day

'Phone Harriman.

Harriman, Oregon

Dr. Minnie lland Physician and Surgeon Direct Telephone Connection

L. E. HIBBARD DENTIST

Albritton. Ore.

Office first door east photo gallery Burns, Oregon. M. A. BIGGS

Attorney at Law Voegtly Bldg., Burns, Oregon C. A. REMBOLD

Attorney-at-Law, Burns, Oregon.

HERMAN VON SCHMALZ Attorney at Law Contests and practice before U. S. Land Office a specialty Office: Fry Bldg. next door to post office

CHARLES W. ELLIS

Burns, Oregon

LAWYER Burns. Practices in the State Courts and be-

re the U. S. Land Office. Chas. H. Leonard, ATTORNEY-AI-LAW, Careful attention given to Collections and Real Estate matters. Fire Insurance.

Notary Public

BURNS. OREGON. A. W. GOWAN

ATTORNEY-AT-LAW State Courts and United States Land Office Practice Three doors South of the Harney County National Bank Burns, Oregon.

FRANK DAVEY Attorney at Law Notary Public

Conveyancing, Money Loaning, Reviewing Abstracts—U. S. Land Office Practice Office between Harney County National Bank and Land Office Burns, - - Oregon

F. C. DILLARD

Formerly Asst. Engineer: Eastern Oregon Engineering

A. O. FAULENER

Company CIVIL AND IRRIGATION ENGINEERS Burns, Bregan

JOB WORK We do it right

If You Want ALL The Home News READ THE TIMES-HERALD \$2.00 a year

Best Job Printing

A Dainty Enameled Bedroom

Don't you admire a light, dainty bedroom with immaculate linen and draperies, and with walls, furniture and woodwork all enameled in pure white or some delicate tint such as ivory or pale blue? You can have one-it is not expensive.

> ACME QUALITY ENAMEL (Neal's)

gives a hard, sanitary, lustrous, genuine enamel surface, easily kept bright and clean. It is offered in delicate tints or rich colors to harmonize with draperies and furnishings.

HARDWARE CO., Agents